



US SENATOR MAX BAUCUS *FY2010 APPROPRIATIONS REQUEST FORM*

* Submit by February 27, 2009, 8:00 PM Eastern Time

Project Name: Deer Lodge Wastewater Improvements Project

Requesting Entity: City of Deer Lodge

Requesting Individual: Mary Ann Fraley, Mayor

Amount Requested: \$ 545,200

Appropriations Bill: EW, Energy and Water

Agency: Environmental Protection Agency

Account: STAG

Project Justification (4 sentences; 150 word limit): The City of Deer Lodge's wastewater treatment system is in dire need of repair and improvement to meet Montana Department of Environmental Quality (DEQ) discharge requirements and to promote a healthy and safe Clark Fork River. Some of the sewer pipes in town allow infiltration of groundwater into the system. We are beginning work this spring that will greatly reduce the amount of groundwater entering the system. This is the first phase of an overall upgrade of our wastewater system.

Description of the Project (no limit):

The major problems with the city's wastewater system are:

- Excessive groundwater infiltration into the wastewater collection system causes:
 - Dilute wastewater influent that limits the ability of the existing treatment lagoons to meet the BOD₅ and TSS percent removal requirements of the Secondary Treatment Standards.
 - High wastewater flows above the capacity of the effluent irrigation system so it is not possible to achieve zero discharge to the river in the summer months.
- The existing aerated lagoon treatment facility is not capable of treating to the ammonia levels necessary to meet anticipated effluent limits for year around discharge to the river when the discharge permit is renewed in November of 2011.

Total Cost of Project and Detailed Budget Breakdown:

Proposed Phase 1 Funding Plan, 2009							
Sub Phase Number	Location	Estimated Total Project Cost	Construction Year	Funding Source	Reserve Fund Balance at Start of Project	Annual Amount to Reserve Fund ^{1,3}	Reserve Fund Balance at End of Project
1A	Rehabilitate California Ave. sewer from West St. to Kohrs St.	\$248,800	2009	Sewer Reserve	\$512,580	\$120,000	\$263,780
1B	Construct influent monitoring building at existing lagoons	\$44,300	2009	Sewer Reserve	\$383,780	-	\$339,480
Proposed Phase 1 Funding Plan, 2010 - 2012							
Sub Phase Number	Location	Estimated Total Project Cost	Construction Year	Funding Source	Reserve Fund Balance at Start of Project	Annual Amount to Reserve Fund ^{1,3}	Reserve Fund Balance at End of Project
1C	Rehabilitate Interceptor Sewer from Rainbow St. to Conley Ave. ¹	\$545,200	2010	Sewer Reserve or STAG	\$699,480	\$360,000	\$154,280
1D	Rehabilitate Outfall Sewer from Rainbow St. to Lagoons ²	\$1,322,000	2011	SRF Loan ²	\$514,280	\$360,000	\$192,280
1E	Rehabilitate Cottonwood	\$343,000	2012	Sewer Reserve	\$452,280	\$260,000	\$109,280

Other Members of Congress Supporting this Request (if any): Senator Jon Tester

Previous Federal Appropriations History: None for this project

County or Counties impacted by the project: Powell County directly; Granite and Missoula County indirectly

Grantee Legal Name: City of Deer Lodge

Grantee Street Address: 300 Main Street

Grantee City/State/Zip: Deer Lodge, MT 59722

Local Contact Name/Title/Phone/Email:

Mary Ann Fraley / Mayor / (406) 846 – 1226 / dlcity@bresnan.net

Whom does it serve? How many people does it serve? What is the minimum level of federal funding to move it forward?

Please feel free to include any additional materials (photos, charts, maps, etc.) that help to justify the project.

Additional Information for Defense Requests:

Appropriations Account (chose only one):

Military Personnel _____ O&M _____

Procurement (select one account):

- _____ Aircraft Procurement
- _____ Missile Procurement
- _____ Weapons Procurement (Navy)
- _____ Weapons and Tracked Combat Vehicles (Army)
- _____ Procurement of Ammunition
- _____ Shipbuilding & Conversion (Navy)
- _____ Other Procurement
- _____ Procurement (Marine Corps, Defense-Wide)
- _____ National Guard and Reserve Equipment
- _____ Defense Production Act

Service:

- _____ Army
- _____ Navy
- _____ Air Force
- _____ Marine Corps
- _____ Defense-Wide
- _____ Intelligence
- _____ Army Reserve
- _____ Army National Guard
- _____ Navy Reserve
- _____ Marine Corps Reserve
- _____ Air Force Reserve
- _____ Air National Guard

RDTE _____ Counter-Drugs _____ Other* _____

Project Identification:

RDTE

Procurement

O&M and Personnel

Intel

R-1 Line Number:

P-1 Line

Budget Activity

TIARRA/

PE#: _____

Number: _____

Number: _____

MIP _____

- RDT&E requests must have relevant Program Element and line numbers.
- Procurement requests must have line numbers.
- O&M requests must have Budget Activity numbers and subactivity group.

Additional Information:

- Include the contact name and telephone for the DoD Program Manager.
- Is this project included on the unfunded priority list?
- Where is the project in development? How long before it will be tested or fielded?

Previous Federal Appropriations History: Should be broken down by federal fiscal year, including for any prior years the bill, account, and House/Senate/Conference amounts. Only include actual funding, not unfunded requests. *The following format is helpful:*

LHHS, HHS, HRSA, FY 2005: House: \$A Senate: \$B Conference: \$C
LHHS, HHS, HRSA, FY 2003: House: \$X Senate: \$Y Conference: \$Z

County or Counties impacted by the project: List the areas of the state impacted by this project.

Grantee: The name or the local government or organization to receive the funding.

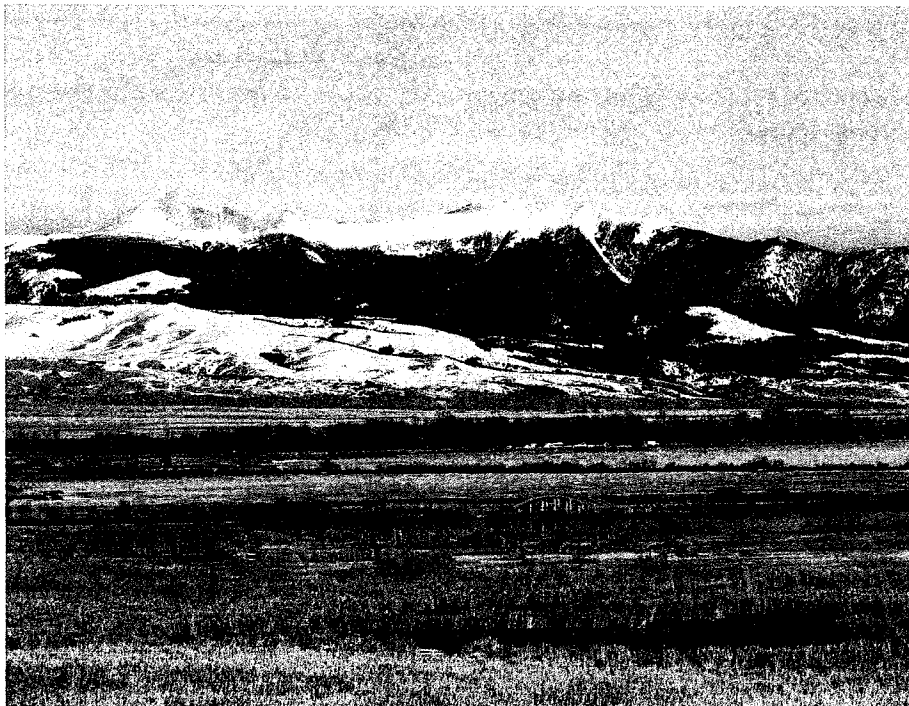
Local Contact: The individual in Montana that Senator Baucus' staff can contact with questions about the project.

Washington Contact: Washington representative and/or firm, if applicable.

Please submit completed forms to my Washington D.C. office or one of my state offices. If you have any questions or need assistance, please call Will Sehestedt in my Washington D.C. office at (202)224-6568 or e-mail him at Will Sehestedt@baucus.senate.gov or call John Lewis in my Helena office at 406-449-5480, john lewis@baucus.senate.gov.

Deer Lodge Wastewater Project STAG Application

Funding for FY 2010



Deer Lodge Wastewater Improvements STAG PROJECTS INFORMATION

1. Project Purpose and Description:

The City of Deer Lodge's wastewater treatment system is in dire need of repair and improvement to meet Montana Department of Environmental Quality (DEQ) discharge requirements and to promote a healthy and safe Clark Fork River. Some of the sewer pipes in town allow infiltration of groundwater into the system. We are beginning work this spring that will greatly reduce the amount of groundwater entering the system. This is the first phase of an overall upgrade of our wastewater system.

The major problems with the city's wastewater system are:

- Excessive groundwater infiltration into the wastewater collection system causes:
 - Dilute wastewater influent that limits the ability of the existing treatment lagoons to meet the BOD₅ and TSS percent removal requirements of the Secondary Treatment Standards.
 - High wastewater flows above the capacity of the effluent irrigation system so it is not possible to achieve zero discharge to the river in the summer months.
- The existing aerated lagoon treatment facility is not capable of treating to the ammonia levels necessary to meet anticipated effluent limits for year around discharge to the river when the discharge permit is renewed in November of 2011.

Other problems that may need to be addressed, depending on the selected alternative for ammonia treatment, include lagoon leakage, an old and almost worn out UV disinfection system, algae control, sludge accumulation and lack of influent monitoring capabilities to meet MPDES permit requirements effective January 1, 2010.

A brief section from our Priority List that describes the project:

Our project will rehabilitate up to 29,000 feet of sewer lines depending on funding, to reduce groundwater infiltration into the sewer system. Rehabilitation will include slip-lining of the majority of the lines, but will also include removing and replacing short sections of sewer line to correct offset joints, sags and damaged pipe not suitable for slip-lining. Based on video inspection, it is estimated that about 50 percent of the service connections will be excavated and service saddles installed. This is because the existing service connections do not have saddles and are not sealed properly. The following table summarizes the sewer lines and the projected range of infiltration reduction. Sources of infiltration and inflow to the collection system that will not be corrected include leaky service lines and sump pumps. The project also includes construction of an influent monitoring building at the wastewater treatment facility to house a flow meter and automatic sampler.

3. Service to a broad public purpose:

The project serves entirely a public purpose. The improvements to the wastewater system will benefit all the people of Deer Lodge as well as the many that enjoy the Clark Fork River. The proper treatment of our wastewater is a basic need for our health and the health of our environment. It is vital. This project is crucial to restoring and protecting a river that has been abused for well over a century.

4. Project serves an immediate need:

The project addresses an immediate need as Deer Lodge will not be able to meet DEQ discharge standards this year without it. We may be in noncompliance as early as this summer or at least by 2010.

Besides compliance with our current discharge permit we are trying to be proactive and work with the DEQ to create innovative and progressive solutions to our wastewater needs. Funding for this project will help us meet important Total Maximum Daily Load (TMDL) standards that are being developed by DEQ to protect the Clark Fork River.

The need for the infiltration reduction portion of the project is to address the MPDES discharge permit requirement to reduce infiltration so that the treatment lagoons can achieve 85% removal BOD per the discharge permit. Additionally, reducing the wastewater flow rates will make future treatment plant upgrades and disposal options (effluent irrigation) more economical. The need for the influent monitoring building is to comply with the MPDES permit requirement to monitor weekly for influent BOD, TSS and flow.

5. Construction to begin this year:

The requested funds will be used to move a project into construction, not debt relief. Deer Lodge has an aggressive, shovel-ready project that is scheduled to begin July 2009. We hope to maintain funding for the 2010 season to continue needed improvements to our wastewater system.

Proposed Phase 1 Funding Plan, 2010 - 2012							
Sub Phase Number	Location	Estimated Total Project Cost	Construction Year	Funding Source	Reserve Fund Balance at Start of Project	Annual Amount to Reserve Fund ^{1, 3}	Reserve Fund Balance at End of Project
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1D	Rehabilitate Outfall Sewer from Rainbow St. to Lagoons ²	\$1,322,000	2011	SRF Loan ²	\$514,280	\$360,000	\$192,280
1E	Rehabilitate Cottonwood Ave. sewer from West St. to Kohrs St.	\$343,000	2012	Sewer Reserve	\$452,280	\$260,000	\$109,280
Total		\$2,503,300					
Footnotes: 1. 2009 - 2011 annual amount to reserve fund based on the \$21/month rate increase and the current number of sewer users. 2. At year 2011, the SRF loan is based on a \$1,322,000 project cost paid for with \$322,000 of reserve funds and an SRF loan to finance the remaining \$1,000,000. Based on 3.75% interest and a 20-year term, the SRF loan will require a reserve fund commitment of \$8,300/month (\$99,600/year) to cover the cost of the loan. This is equivalent to \$5.70 per user per month. 3. From year 2011 to 2012 reserve funds accumulate at a rate of roughly \$285,000/year because of SRF loan payment.							

The proposed funding plan for Phase 1 is a combination of sewer reserve funds and a loan from the Wastewater State Revolving Fund Program. Reserve funds for sewer line rehabilitation have been accumulating from a recently implemented three-phase, \$21/month sewer user rate increase. This phased rate increase began with a \$7/month increase in October of 2007. Sewer rates were increased another \$7/month in October of 2008. A third \$7/month rate increase is scheduled for October of 2009. The loan would be funded with revenue bonds paid for with monies from a portion of the \$21/month sewer user rate increase.